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[PDF] Microkernels meet recursive virtual machines
B Ford, M Hibler, J Lepreau, P Tullman, G ... - ACM SIGOPS Operating Systems Review, 1996 - Citeseer
... each of which exports a **virtual machine interface** compatible with ... which affects the
low- level **API** pervasively, is ... saved-state structure the **kernel** provides to ...
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Scale and performance in the Denali isolation **kernel** - psu.edu [PDF]
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... significant complexity and typically have a wide **API**, violating the ... Denali **virtual**
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privacy [58], where they are called "Alter-ego's", to emphasize their role ...
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... unique data types for the memory **objects**, then we ... Xen **API** re- sembles the hardware
API, even using ... hardware iret instruction to transition from **kernel** to user. ...
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[PDF] Constructing services with interposable virtual hardware
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Fast networking with socket-outsourcing in hosted virtual machine environments

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... Since the Socket **API** has been designed to add ... layer of Linux allocates socket **objects** that export ... Regular OS **kernels** provide powerful copying functions to take ...

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... system com- prising a **virtual machine interface** (VMI) and an application programming interface (**API**) for use ... having a plurality of hardware **kernels** and an ...

All 7 versions

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... each of which exports a **virtual machine interface** compatible with ... which affects the low- level **API** pervasively, is ... saved-state structure the **kernel** provides to ...

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... significant complexity and typically have a wide **API**, violating the ... Denali **virtual machine interface** ... Denali architecture: the Denali isola- tion **kernel** is a ...

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... each of which exports a **virtual machine interface** compatible with the ... in the low-level **API** through thread ... and manipulated just like any other **kernel object**. ...

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... Para-virtualization – VM does not simulate hardware – Use special **API** that a ... **Virtual machine Interface** ... Standardize the VM interface so **kernel** can run ...

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... A complete **virtual machine interface** is provided at each level ... state of all **kernel** provided **objects** (eg, threads and ... 2.1.4 Atomicity of **Kernel API** and **Kernel** ...

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P AGRAWAL - iitd.ac.in

... 3.2.2 **Virtual Machine Interface** (VMI ... the processor model to communicate with the simulation **kernel** and the ... available as a shared **object**, provide an **API** to allow ...

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T Van Looy - har2009.org
... The MI is a **virtual machine interface** to the system, consisting of **...** IBM does provide
API's so you can implement this **...** IBM ported the Linux **kernel** to the IBM i **...**

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SNT Chiueh - Citeseer
... altogether using the same set of **API** and still **...** The paravirtualization exports a new
virtual machine interface that aims at **...** only one of the two **kernels** has the **...**

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... to enforce a restricted platform **API** for paravirtualization **...** Xen interface [15] and
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J Root - disy.cse.unsw.edu.au

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... applications to the Snowflake **API** and specifications. ... between protection (implemented in **kernel** mode) and ... facilitated by a **virtual machine interface** in which ...

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... the relative security of the **virtual machine interface**, VMM-based ... semantics of private Linux **kernel** data structures ... Lycosid invokes documented **APIs** to obtain ...

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D Djamaludin - innovexpo.itee.uq.edu.au
... Linux **kernel** is to provide a **virtual machine interface** to user ... handled in Linux through
a common **API** known as ... Prior **kernels** had a jumble of incompatible add-on ...

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... L4 address spaces are no first class **object**; they are indirectly identified ... The L4Linux
[41] system, is a para-virtualized Linux **kernel**, ported to ... **API** interface ...

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... Mr. Judd was one of the original developers of the VSIPL **API** and participated in
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... This **API** is utilized within the MPICH2 Device for ... any knowledge about the higher
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... is typically done through a **virtual machine interface** such as **...** evolutionary algorithm
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... that creates a standard set of application programming interfaces (**APIs**) for advanced
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... knowledge, our system is the first to deterministically replay a multiprocessor
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… An example of a standardized **API** for system level operations is the **…** fault tolerant
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… de- signed to provide a powerful **virtual machine interface** layered over **…** system was
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